

STIC Search Report Biotech-Chem Library

STIC Database Tracking Number: 182283

TO: Minh-Tam Davis

Location: REM/3A24/3C18

Art Unit: 1642

Friday, March 17, 2006

Case Serial Number: 09/976858

From: Barb O'Bryen

Location: Biotech-Chem Library

Remsen 1a69

Phone: 571-272-2518

BoB

barbara.obryen@uspto.gov

Search Notes

RUSH



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STIC-Biotech/ChemLib

From:

Chan, Christina

Sent:

Wednesday, March 15, 2006 2:28 PM Davis, Minh-Tam; STIC-Biotech/ChemLib

To: Subject:

RE: Rush search request for 09/976858

Please rush. Thanks Chris

Chris Chan

TC 1600 New Hire Training Coordinator and SPE 1644 (571)-272-0841 Remsen, 3E89

----Original Message-----

From:

Davis, Minh-Tam

Sent:

Wednesday, March 15, 2006 12:23 PM

To:

Chan, Christina

Subject:

Rush search request for 09/976858

Please search SEQ ID NO:41 of 09/976858 against the known PSA sequence, Acc No X05332, and M27274 (taken from US 6,551,778 B1).

Thank you.
MINH TAM DAVIS
ART UNIT 1642, ROOM 3A24,MB 3C18
272-0830

STIC

Type of Search
NA#_____ AA#:_____
S/L:____ Oligomer:_____
Encode/Transl:____ Text:___
Structure #:____Text:__
Inventor:____ Litigation:____

Vendors and cost where applicable STN:

DIALOG:
QUESTEL/ORBIT:
LEXIS/NEXIS:
SEQUENCE SYSTEM:
WWW/Internet:
Other (Specify):

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GenCore version 5.1.7
Copyright (c) 1993 - 2006 Biocceleration Ltd.
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OM nucleic - nucleic search, using sw model March 17, 2006, 12:18:57; Search time 9 Seconds (without alignments) 7.599 Million cell updates/sec

Run

92.

2.08=09=976-858-41=COPY € 3978

Sequence: Title: Perfect score: 1 atgctgcccgtgtaccagga... .ttttcgagacagcactgtga 3978

Scoring table: Gapop 10.0 , Gapext 0.5

Searched: 2 seqs, 8596 residues

Total number of hits satisfying chosen parameters:

4

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

Database Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution. рва.вец:*

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332	332	274	274	Description
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ALIGNMENTS

17130		source
.Location/Qualifiers		FEATURES
by A.Lundwall, 03-NOV-1989.	by A.Lun	
Draft entry and computer-readable sequence for [1] kindly submitted	Draft en	
R.Wydro), clones lambda-PSA.[24A,25A,25B].	R.Wydro)	
Original source text: Human peripheral leukocyte DNA, (library of	Original	COMMENT
	2472789	PUBMED
	89302090	MEDLINE
Biochem. Biophys. Res. Commun. 161 (3), 1151-1159 (1989)	Biochem.	JOURNAL
glandular kallikrein	glandula	
Characterization of the gene for prostate-specific antigen, a human	Characte	TITLE
, A ,	Lundwall, A.	AUTHORS
(bases 1 to 7130)	1 (base	REFERENCE
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.	Mammalia	
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;	Eukaryot	
iens	Homo sapiens	ORGANISM
Homo sapiens (human)	Ното вар	SOURCE
Alu repeat; kallikrein; prostate-specific antigen.	Alu repe	KEYWORDS
M27274.1 GI:190552	M27274.1	VERSION
implement	(M27274)	ACCESSION
Human prostate specific antigen gene, complete cds.	Human pr	DEFINITION
7130 bp DNA linear PRI 08-JAN-1995	HUMPSAA	rocus
		HUMPSAA/C

LOCUS
DEFINITION
ACCESSION
VERSION

HUMPSAA 7130 bp DNA HUMEN progtate specific antigen gene, comp (M27274) throat 1 GI:190552 M27274.1 GI:190552 Alu repeat; kallikrein; prostate-specific Home cariene (human)

complete

linear lete cds.

PRI 08-JAN-1995

antigen.

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KEYWORDS SOURCE ORGANISM

Homo sapiens (human)

Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 7130)

REFERENCE

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RESULT 2
HUMPSAA
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Best Local Similarity 57.7%;
Matches 41; Conservative
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/note="Alu r
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/note="prostate specific antigen"
/number=5
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/note="PSA i
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EPEEFLTPKKLQCVDLHVISNDVCAQVHPQKVTKFMLCAGRWTGGKSTCSGDSGGPLV
CNGVLQGITSWGSEPCALPERPSLYTKVVHYRKWIKDTIVANP"
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<675. .720
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join(675. .720,1959. .2118,3756. .4042,4186. .4322,5699.
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note="prostate specific antigen; G00-119-695"
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Draft entry and computer-readable sequence for [1] kindly submitted by A.Lundwall, 03-NOV-1989.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Characterization of the gene for prostate-specific antigen, glandular kallikrein
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TGTCGCT 2338
                             GGTCCCT 2903
                                                           GCTGGACCACCCTCCCCATGGCTGCCTGGGTCTCCATCTGTGTCCCTATGTCTCTTTG
                                                                                     GCTGGTTCGCCGTCTGGATGCCATCTGTGCCATGTTTGTCATCATCGTTGCCTTTG
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EPEEFLTPKKLQCVDLHVISNDVCAQVHPQKVTKFMLCAGRWTGGKSTCSGDSGGPLV
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Data kindly reviewed (01-DEC-1987)
Location/Qualifiers
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Lundwall, A. and Lilja, H.
Molecular cloning of human prostate specific antigen cDNA PEBS Lett. 214 (2), 317-322 (1987)
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x05332.1 GI:35740 Acquence
antigen; kallikrein-like protein; prostate
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Lunwall, A.
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Human mRNA for prostate specific antigen.
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                                                                                CATGCCTGGAGA 1047
                                                                                                                                                GACCAGAGTGTTTCTTAAATGGTGTAATTTTGTCCTCTCTGTGTCCTGGGGAATACTGGC
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                                                                                                                                                                                                                                                                                    note="polyA site"
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                                                                                                                                                                                                                                                                                                                                                                                                                     note="signal peptide (AA -17 to -1)"
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17 to 244)"
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'db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                                                     note="propeptide
                                                                                                                                                                                                                                                                                                                                                                                    product="mature prostate specific antigen"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            tissue_type="prostate"
clone_lib="(lambda)gt11"
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Pred. No. 0;
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DEFINITION

HSPSAR 1466 bp mRNA Human mRNA for prostate specific antigen.

linear

PRI

03-JUN-2003

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SOURCE
ORGANISM
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AUTHORS
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Search completed: March 17, 2006, 12:19:07 Job time : 10 BECB
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                                                                                                                                                                       Query Match 0.4%; Score 17.2; DB 1; Length Best Local Similarity 65.8%; Pred. No. 0; Mismatches 25; Conservative 0; Mismatches 13; Indels
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                                                                                   1368 TCAGCTTCCAGGGGGTCCAGTCCCTCTCCTTACTTCAT 1331
                                                                                                                            1142 TCAGCATCCGAAGAATCCAGACCTTTTTGCTACTTGAT 1179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Direct Submission
Submitted (07-NOV-1989)
Data kindly reviewed (01-DEC-1987) by Lundwall A.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 1415)
Lundwall, A. and Lilja, H.

Molecular cloning of human prostate specific antigen cDNA PEBS Lett. 214 (2), 317-322 (1987)
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Lunwall, A.
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EPEBFLTFKKLQCVVLHVISNDVCAQVHPQKVTKFMLCAGRWTGSKSTCSGDSGGPLV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CNGVLQGITSWGSEPCALPERPSLYTKVVHYRKWIKDTIVANP"
44. .94
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445. .1450
                                                                                                                                                                                                                                                                                                                                                                                         product="mature prostate specific antigen"
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(mol_type="mRNA"

(db_xref="taxon:9606"
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